

Comparisons of Job Characteristics

Focus Occupation: [Architectural and Engineering Managers \(11-9041\)](#)

Associated Occupation: [Architectural and Civil Drafters \(17-3011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Architectural and Engineering Managers (11-9041)

Associated Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Design	5.2	21.0	19.0	<	Expanded education and/or training may be required
Building and Construction	4.0	15.5	10.7	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	15.2	23.2	>>	Current knowledge level is likely more than sufficient
Mathematics	9.2	13.3	17.4	>>	Current knowledge level is likely more than sufficient
Geography	3.9	7.9	5.7	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Architectural and Engineering Managers (11-9041)

Associated Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	6.2	11.0	11.7	0	Current skill level may be sufficient
Operations Analysis	5.0	8.0	13.9	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Architectural and Engineering Managers (11-9041)
Associated Occupation: Architectural and Civil Drafters (17-3011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Near Vision	11.1	13.3	12.5	0	Current ability level may be sufficient
Visualization	7.5	12.5	10.1	<	Some improvement in abilities may be required
Information Ordering	9.9	11.5	12.0	0	Current ability level may be sufficient
Mathematical Reasoning	6.3	10.1	13.3	>>	Current ability level is likely more than sufficient
Flexibility of Closure	7.8	9.4	7.9	<	Some improvement in abilities may be required
Number Facility	6.3	8.5	11.2	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 70

Focus Occupation: Architectural and Engineering Managers (11-9041)
Associated Occupation: Architectural and Civil Drafters (17-3011)

Work Activities	Exclusivity of Activity
Communicate technical information	4
Direct and coordinate activities of workers or staff	3
Evaluate engineering data	60
Prepare cost estimates	77
Prepare technical reports or related documentation	22
Read blueprints	10
Read schematics	34
Read technical drawings	7
Understand engineering data or reports	48
Understand technical operating, service or repair manuals	6
Write business project or bid proposals	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 67

Focus Occupation: Architectural and Engineering Managers (11-9041)
Associated Occupation: Architectural and Civil Drafters (17-3011)

Tools and Technologies	Exclusivity
Business function specific software	1
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Content management software	6
Data management and query software	1
Industry specific software	1
Information exchange software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.